

Message Text

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ACTION SS-25

INFO OCT-01 ISO-00 SSO-00 NSCE-00 CIAE-00 DODE-00 INRE-00

ERDE-00 ACDE-00 /026 W
----- 056540

O 161605Z DEC 75

FM AMEMBASSY MOSCOW

TO SECSTATE WASHDC IMMEDIATE 7868

S E C R E T SECTION 1 OF 2 MOSCOW 17962

EXDIS

E.O. 11652: XGDS1

TAGS: PARM UR US

SUBJECT: SOVIET HYPOTHETICAL DATA ON TTBT

REF: STATE 293873

1. I TODAY PASSED TO MOROKHOV AND TIMERBAYEV FIVE COPIES OF OUR SAMPLE TTBT INFORMATION PACKAGE AND THE ACCOMPANYING MAP PER INSTRUCTIONS REFTEL. MOROKHOV MADE NO SUBSTANTIVE COMMENT ON THE DOCUMENT ITSELF. HE SAID THAT THE SOVIET HYPOTHETICAL PACKAGE HE HANDED ME WAS "MORE MODEST," AND SHOWED ONLY SAMPLE FORMATS FOR A FUTURE EXCHANGE OF ACTUAL INFORMATION. HE SAID OUR PACKAGE WOULD BE STUDIED, AND HE ASSUMED THAT A MEETING COULD BE ARRANGED AT A LATER DATE, PERHAPS WITH PARTICIPATION OF EXPERTS, TO COMPARE COMMENTS ON OUR RESPECTIVE PACKAGES IN ORDER TO DEVELOP AN AGREED FORMAT. I SAID WE WOULD AGREE TO SUCH A MEETING.

2. THE SOVIET PACKAGE IS INDEED MORE MODEST IN SCOPE. OUR INFORMAL TRANSLATION OF THE TEXT OF THE PACKAGE (WHICH IS TITLED "SAMPLES OF FORMATS FOR DOCUMENTS") FOLLOWS IN ITS ENTIRETY:

1. GEOGRAPHICAL COORDINATES OF TEST SITES OF THE USSR

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NAME OF TEST SITE	COORDINATES	COMMENT
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AND TESTING AREAS NORTH EAST

NAME OF TEST SITE 54 DEGREES 81 DEGREES
01 MIN. 32 MIN. (BLANK)

(BLANK) (BLANK) (BLANK) (BLANK)

(BLANK) (BLANK) (BLANK) (BLANK)

(BLANK) (BLANK) (BLANK) (BLANK)

TESTING AREA NO.1 53 DEGREES 81 DEGREES (BLANK)
48 MIN 58 MIN.

(FOLLOWED BY THREE BLANK LINES AS ABOVE)

COMMENT: BETWEEN POINTS THE BORDERS OF THE TEST SITES
AND TESTING AREAS RUN IN STRAIGHT LINES.

II. INFORMATION ON THE GEOLOGY OF TESTING AREAS IN TEST SITES OF THE USSR

NAME OF THE TEST SITE

TESTING AREA NO. 1

THE SURFACE OF A LARGE PART OF THE TESTING AREA IS
COVERED WITH A MANTLE OF LOOSE DEPOSIT FROM THE CENOZOIC
AGE, THICKNESS FROM 5-10 TO 100-150 METERS.

PALEOZOIC DEPOSITS TO A DEPTH OF NOT LESS THAN ONE
THOUSAND METERS ARE REPRESENTED BY ALTERNATE STRATA OF
ALEURITES, SANDSTONES, AND LIMESTONES.

THE PALEOZOIC ROCK CONTAINS DEEP REGIONAL FRACTURES
TRENDING NORTHEAST AND SHALLOWER RUPTURE DISTURBANCES,
AND IS CRUMPLED IN LARGE FOLDS.

CHARACTERISTICS OF THE BASIC ROCK TYPES ARE LAID
OUT IN THE TABLE.

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ON THE TERRITORY OF THE SITE ARE TWO TYPES OF UNDER-GROUND WATERS: GROUND WATER IN THE LOOSE DEPOSITS OF CENOZOIC AGE, AND PERCHED WATERS CONFINED TO HARD PALEOZOIC ROCK.

GROUND WATER LEVEL IS 5-40 METERS.

PERCHED WATER IS DISTRIBUTED THROUGHOUT BUT CONFINED TO THE UPPER PERCHED ZONE WHICH IS FOUND TO A DEPTH OF 100 METERS, AND ALSO IN TECTONIC FRACTURE ZONES. THEY LAY AT A DEPTH OF 8-150 METERS.

(THERE FOLLOWS A TABLE TITLED "GEOPHYSICAL CHARACTERISTICS OF TESTING AREAS NO. 1 OF THE TEST SITE.")

TABLE HEADINGS (HERE NUMBERED FOR CONVENIENCE) FROM LEFT TO RIGHT HORIZONTALLY ARE:

- (1) SYSTEM
- (2) FORMATION
- (3) LAYER
- (4) GEOLOGICAL INDEX
- (5) THICKNESS OF LAYER (METERS)
- (6) ROCK CHARACTERISTIC
- (7) DENSITY IN GRAMS PER CUBIC CENTIMETER
- (8) POROSITY (GENERAL)
- (9) MOISTURE SATURATION (PERCENT)
- (10) SEISMIC WAVE VELOCITY (METERS PER SECOND):

:LONGITUDINAL

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:TRANSVERSE

(FIRSTROW OF DATA UNDER HEADINGS IS AS FOLLOWS:)

- (1) ORDOVICIAN
- (2) MIDDLE
- (3) LLANDALE
- (4) 0 SUB 2 BS
- (5) 100-200
- (6) BESTAMAK SUITE. LIGHT GRAY SANDSTONE (?GRAYWACKE?)

WITH LAYERS OF CARBONACEOUS-ARGILLACEOUS SHALE.

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ACTION SS-25

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ERDE-00 ACDE-00 /026 W
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O 161605Z DEC 75

FM AMEMBASSY MOSCOW

TO SECSTATE WASHDC IMMEDIATE 7867

S E C R E T SECTION 2 OF 2 MOSCOW 17962

EXDIS

(7) 2.65-2.68

(8) 6.0 - 6.7

(9) 5 - 8 PERCENT

(10) 3500-4600

(11) 2400-2700

(SECOND ROW OF DATA UNDER HEADINGS IS AS FOLLOWS:)

(1,2,3) (SHARES FIRST THREE ITEMS WITH FIRST ROW ABOVE)

(4) 0 SUB 2 AB

(5) 150 - 200

(6) ABAYEV SUITE. ALTERNATING LIGHT GRAY SANDSTONES AND
LIMESTONES.

(7) 2.68 - 2.72

(8) 4.0 - 6.7

(9) 8 - 10

(10) 4600-5200

(11) 2600-3100

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KTHIRD ROW OF DATA UNDER HEADINGS IS AS FOLLOWS:)

(1) CAMBRIAN

(2) MIDDLE

(3) AMGIN (PHONETIC)

(4) THETA SUB 2 KS

(5) 300-350

(6) COXINGER (PHONETIC) SUITE. ALTERNATING LIGHT GRAY
SANDSTONES, CONGLOMERATES, GRAVELS, THIN LENSES OF
LIMESTONE.

(7) 2.68-2.77

(8) 4.0 - 6.7

(9) 5 - 9

(10) 5300-4600

(11) 2700-3100

III. DATA ON CALIBRATION EXPLOSIONS

(TABLE WITH FOLLOWING HEADINGS, LEFT TO RIGHT HORIZONTALLY):

(1) NAME OF TEST SITE

(2) NUMBER OF TESTING AREA

(3) DATE

(4) TIME (MOSCOW)

(5) DEPTH (METERS)

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(6) COORDINATES: NORTH

(7) COORDINATES: EAST

(8) YIELD IN KILOTONS

(DATA UNDER ABOVE HEADINGS)

(1) (NAME OF TEST SITE)

(2) (ROMAN NUMERAL I)

(3) APRIL 20, 1967

(4) 0859 HOURS 01 SECONDS

(5) 255

(6) 53 DEGREES 45 MINUTES

(7) 82 DEGREES 01 MINUTES

(8) 42

END TEXT.

3. WE ARE POUCHING IMMEDIATELY TWO COPIES OF THE ORIGINAL DOCUMENT (IN RUSSIAN) TO ACDA/NWT.

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Message Attributes

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Draft Date: 16 DEC 1975
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